Practitioner's Docket No. U 015859-4

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OOIAO PATENT TRADEMARK OFFICE

CHAPTER II

TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US) (ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

INTERNATIONAL APPLICATION NO. PCT/ES2004/070001

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED

0001 21 JANUARY 2004

28 JANUARY 2003, etc.

TITLE OF INVENTION

METHOD AND DEVICE FOR THE DETECTION OF MUTATIONS IN ISOLATED GENE SEQUENCES OF THE LOW-DENSITY LIPOPROTEIN RECEPTOR (LDL-R) WHICH IS ASSOCIATED WITH FAMILIAL HYPERCHOLESTEROLEMIA

APPLICANT(S)

- 1. MATA LOPEZ, PEDRO
- 2. A LONSO KARLEZI, RODRIGO, ALBERTO
- 3. MOZAS ALONSO, PILAR
- 4. REYES LEAL, GILBERTO
- 5. POCOVI MIERAS, MIGUEL
- 6. CASTILLO FERNANDEZ, SERGIO
- 7. TEJEDOR HERNANDEZ, DIEGO
- 8. MARTINEZ MARTINEZ, ANTONIO
- 9. MALLEN PEREZ, MIGUEL

Mail Stop PCT
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

ATTENTION: EO/US

CERTIFICATION UNDER 37 C.F.R. 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date <u>July 21, 2005</u>, in an envelope as "Express Mail Post Office to Addressee," Mailing Label Number <u>EV 480460653 US</u>, addressed to the: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

GERALDINE MARTI

(type or print name of person mailing paper)

Signature of person mailing paper

WARNING:

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

*WARNING:

Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

placed thereon prior to maiting. 57 C.F.K. 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement

will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56.442.

(Transmittal Letter to the United States Elected Office (EO/US)—page 1 of 9) 13-18

NOTE: To avoid abandonment of the application, the applicant shall furnish to the USPTO, not later than the expiration of 30 months from the priority date: (1) a copy of the international application, unless it has been previously communicated by the International Bureau or unless it was originally filed in the USPTO; and (2) the basic national fee (see 37 C.F.R. § 1.492(a)). The 30-month time limit may not be extended. 37 C.F.R. § 1.495(a) and (b).

WARNING:

Where the items are those which can be submitted to complete the entry of the international application into the national phase are subsequent to 30 months from the priority date the application is still considered to be in the international state and if mailing procedures are utilized to obtain a date the express mail procedure of 37 C.F.R. §1.10 must be used (since international application papers are not covered by an ordinary certificate of mailing - See 37 C.F.R. §1.8.

NOTE: Documents and fees must be clearly identified as a submission to enter the national state under 35 USC 371 otherwise the submission will be considered as being made under 35 USC 111. 37 C.F.R. § 1.494(f).

- 1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. 371:
 - a. [X] This express request to immediately begin national examination procedures (35 U.S.C. 371(f)).
 - b. [X] The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees (37 C.F.R. § 1.492) as indicated below:
 - c. [] ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: § 1.495 Entering the national stage in the United States of America.

- (a) The applicant in an international application must fulfill the requirements of 35 U.S.C 371 within the time periods set forth in paragraphs (b) and (c) of this section in order to prevent the abandonment of the international application as to the United States of America. The thirty month time period set forth in paragraphs (b), (c) (d), (e) and (h) of this section may not be extended. International applications for which those requirements are timely fulfilled will enter the national stage and obtain an examination as to the patentability of the invention in the United States of America.
- (b) To avoid abandonment of the application, the applicant shall furnish to the United Stats Patent and Trademark Office not later than the expiration of thirty months from the priority date:
- (1) A copy of the international application, unless it has been previously communicated by the International Bureau or unless it was originally filed in the United States Patent and Trademark Office; and
 - (2) The basic national fee (see § 1.492(a)).
- (c)(1) If applicant complies with paragraph (b) of this section before expiration of thirty months from the priority date, the Office will notify the applicant if he or she has omitted any of:
- (i) A translation of the international application, as filed, into the English language, if it was originally filed in another language (35 U.S.C. 371(c)(2));
- (ii) The oath or declaration of the inventor (35 U.S.C. 371(c)(4) and § 1.497), if a declaration of inventorship in compliance with § 1.497 has not been previously submitted in the international application under PCT Rule 4.17 (iv) within the time limits provided for in PCT Rule 26ter.1;
 - (ii) The search fee set forth in § 1.492(c); and
 - (iv) The examination fee set forth in § 1.492(c); and
 - (v) Any application size fee required by § 1.492(j)

- (2) A notice under paragraph (c)(1) of this section will set a period of time within which applicant must provide any omitted translation, oath or declaration of the inventor, search fee set forth in \S 1.492(b), examination fee set forth in \S 1.492(c), and any application size fee required by \S 1.492(j) in order to avoid abandonment of the application.
- (3) The payment of the processing fee set forth in § 1.492(i) is required for acceptance of English translation later than the expiration of thirty months after the priority date. The payment of the surcharge set forth in § 1.429(h) is required for acceptance of the oath or declaration the inventor later than the expiration of thirty months after the priority date.

2. Fees

CLAIMS FEE *	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS	
	TOTAL CLAIMS*	14 - 20 =		x \$50.00 =	\$.	
	INDEPENDENT CLAIMS*	7 -3=		x \$ 200.00 =		
	MULTIPLE DEPEND	ENT CLAIM(S) (if	fapplicable) +\$3	60.00	NOT PAID AT THIS TIME	
FILING FEES**	[] No Search I [x] Exam Fee m [] Search and or IPER con [] Search and or IPER con [] Additional f drawings fil sheets (excorr computer electronic m	earch Report file Report not paid to U. S. Exam fee with Unditions not satis Exam fee with Unditions satisfied fee for specification led in paper over cluding sequence or program listing medium). The fee ditional 50 sheets	(\$ U.S. WO fied (\$ U.S. WO (\$ ion and 100 c listing filed in is \$250	400.00) 500.00) 200.00) 100.00)	\$300.00	
			Total of a	bove Calculations	= \$900.00	
SMALL ENTITY	Reduction by ½ for filing filed. (note 37 CFR 1.9,	-				
				Total National Fee	\$ 900.00	
		Fee for recording the enclosed assignment document \$40.00 (37 CFR 1.21(h)). (See Item 13 below). See attached "ASSIGNMENT COVER SHEET".				
TOTAL			Т	otal Fees enclosed	\$ 900.00	

^{*}May include Preliminary Amendment (see page 8) reducing the number of claims.

ii. **WARNING: WARNING:		[] Please charge Account No. 12-0425 in the amount of \$. A duplicate copy of this sheet is enclosed.			
		"To avoid abandonment of the application the applicant shall furnish to the United States Patent and Trademark Office not later than the expiration of 30 months from the priority date: * * * (2) the basic national fee (see § 1.492(a)). The 30-month time limit may not be extended." 37 C.F.R. § 1.495(b). If the translation of the international application and/or the oath or declaration have not been submitted by the applicant within thirty (30) months from the priority date, such requirements may be met within a time period set by the Office. 37 C.F.R. § 1.495(b)(2). The payment of the surcharge set forth in § 1.492(e) is required as a condition for accepting the oath or declaration later than thirty (30) months after the priority date. The payment of the processing fee set forth in § 1.492(f) is required for acceptance of an English translation later than thirty (30) months after the priority date. Failure to comply with these requirements will result in abandonment of the application. The provisions of § 1.136 apply to the period which is set. Notice of Jan. 3, 1993, 1147 O.G. 29 to 40.			
	[]	Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27 by. [] a Statement or Written Assertion attached. [] fee payment			
NOTE:	37 C.F.F.	t. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereo The propertion of the basic filing fee or the fee for the entry into the national phase as states:			
		"(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization, should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraph (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.			
		(1) Assertion by writing. Small entity status may be established by a written assertion of entitlement			

- to small entity status. A written assertion must:
 - (i) Be clearly identifiable;
 - (ii) Be signed (see paragraph (c)(2) of this section); and
 - (iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.
- (2) Parties who can sign and file the written assertion. The written assertion can be signed by:
 - (i) One of the parties identified in §§ 1.33(b) (e.g., an attorney or agent registered with the Office), §§ 3.73(b) of this chapter notwithstanding, who can also file the written assertion;
 - (ii) At least one of the individuals identified as an inventor (even though a §§ 1.63 executed oath or declaration has not been submitted), notwithstanding §§ 1.33(b)(4), who can also file the written assertion pursuant to the exception under §§ 1.33(b) of this part; or

- (iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.773(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under §§ 1.33(b) of this part.
- (3) Assertion by payment of the small entity basic filing or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filing fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4) or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filing or basic national fee is inadvertently selected in error.
 - (i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in §§ 1.16(e) or §§ 1.16(l).
 - (ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."
- 3. [X] A copy of the International application as filed (35 U.S.C. 371(c)(2)):

NOTE: Section 1.495 (b) was amended to require that the basic national fee and a copy of the international application must be filed with the Office by 30 months from the priority date to avoid abandonment "The International Bureau normally provides the copy of the international application to the Office in accordance with PCT Article 20. At the same time, the International Bureau notifies applicant of the communication to the Office. In accordance with PCT Rule 47.1, that notice shall be accepted by all designated offices as conclusive evidence that the communication has duly taken place. Thus, if the applicant desires to enter the national stage, the applicant normally need only check to be sure the notice from the International Bureau has been received and then pay the basic national fee by 30 months from the priority date." Notice of Jan. 7, 1993, 1147 O.G. 29 to 40, at 35-36. See item 14c below.

	a.		ansimited herewith.
	b.	[] is n	ot required, as the application was filed with the United States Receiving
		Off	ice.
	c.	[X] has	been transmitted
		i. [X]	by the International Bureau.
		Dat	te of mailing of the application (from form PCT/IB/308):
		ii. []	by applicant on
			Date
1.	[X]	A translatio	n of the International application into the English language (35 U.S.C.
•	[]	371(c)(2)):	
	a.	, , , , ,	ransmitted herewith.
	b.	L J	ot required as the application was filed in English.
	c.		s previously transmitted by applicant on
	O.	[]	Date
	d.	[] wil	follow.
		L J	

NOTE: 37 C.F.R. § 1.495(c): "If applicant complies with paragraph (b) of this section before expiration of thirty months from the priority date but omits . . . a translation of the international application, as filed, into the English language, if it was originally filed in another language (35 U.S.C. 371(c)(2)) . . . applicant will be so notified and given a period of time within which to file the translation . . . in order to prevent abandonment of the application. The payment of the processing fee set forth in § 1.492(f) is required for acceptance of an English translation later than the expiration of thirty months after the priority date A 'Sequence Listing' need not be translated if the "Sequence Listing' complies with PCT Rule 12.1(d) and the description complies with PCT Rule 5.2(b)."

5.	[X]		ments to the claims of the International application under PCT Article 19 (35 371(c)(3)):			
NOTE:	practice may not of the PO section 1	that PCT be extende CT Article '.121. In n	nuary 7, 1993 points out that 37 C.F.R. § 1.495(a) was amended to clarify the existing and con The Article 19 amendments must be submitted by 30 months from the priority date and this d aded. The Notice further advises that: "The failure to do so will not result in loss of the subject the 19 amendments. Applicant may submit that subject matter in a preliminary amendment filed to many cases, filing an amendment under section 1.121 is preferable since grammatical or id corrected." 1147 O.G. 29-40, at 36.			
NOTE:	amendm thirty mo	ents into E onths from	d): "A copy of any amendments to the claims made under PCT Article 19, and a translation of thos English, if they were made in another language, must be furnished not later than the expiration of the priority date. Amendments under PCT Article 19 which are not received by the expiration of the priority date will be considered to be canceled."			
	a. b.	[] [] i. ii.	are transmitted herewith. have been transmitted [] by the International Bureau. Date of mailing of the amendment (from form PCT/IB/308): [] by applicant on Date			
	c	[X] i. ii.	have not been transmitted as [X] applicant chose not to make amendments under PCT Article 19. Date of mailing of Search Report (from form PCT/ISA/210): 11 JUNE 2004. [] the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.			
6.	[X] a. b. c. d.	A trans 371(c)([] [] [] [X]	slation of the amendments to the claims under PCT Article 19 (38 U.S.C. (3)): is transmitted herewith. will follow is not required as the amendments were made in the English language. has not been transmitted for reasons indicated at point 5(c) above.			
7.	[X]	A copy [X]	of the international examination report (PCT/IPEA/409) is transmitted herewith. is not required as the application was filed with the United States Receiving Office.			
8.	[X] a. b.	Annex([X]	(es) to the international preliminary examination report is/are transmitted herewith. is/are not required as the application was filed with the United States Receiving Office.			

9.	$[\Lambda]$	Atlan	station of the affilexes to the international premiumary examination report
NOTE:	(if applic months f from the	cable), if the form the popriority decessing f	(e) "A translation into English of any annexes to an international preliminary examination reports annexes were made in another language, must be furnished not later than the expiration of thirty riority date. Translations of the annexes which are not received by the expiration of thirty month ate may be submitted within any period set pursuant to paragraph (c) of this section accompanies set forth in § 1.492(f). Annexes for which translations are not timely received will be considered
	a. b.	[] [X]	is transmitted herewith. is not required as the annexes are in the English language.
10.	[X]	An oat U.S.C.	h or declaration of the inventor (35 U.S.C. 371(c)(4)) complying with 35
	a.	[]	was previously submitted by applicant on . Date
	b.	[] i. ii.	is submitted herewith, and such oath or declaration [] is attached to the application. [] identifies the application and any amendments under PCT Article 19 that were transmitted as stated in points 3(b) or 3(c) and 5(b); and states that they were reviewed by the inventor as required by 37 C.F.R. 1.70.
	c.	[X]	will follow.
NOTE:	the prior declarat applicat notified of the ap	rity date lion of invion under and given oplication	(c): "If applicant complies with paragraph (b) of this section before expiration of thirty months from the tomits the oath or declaration of the inventor (35 U.S.C. 371(c)(4) and \S 1.497), if the tentorship in compliance with \S 1.497 has not been previously submitted in the international PCT Rule 4.17(iv) within the time limits provided for in PCT Rule 26ter.1, applicant will be some a period of time within which to file the oath or declaration in order to prevent abandonment \S 1.492(e) is required for acceptance of the oath of the inventor later than the expiration of thirty months after the priority date."
Other o	documen	t(s) or in	nformation included:
11.	[X] a.	An Into 17(2)(a [X]	ernational Search Report (PCT/ISA/210) or Declaration under PCT Article a): is transmitted herewith.
	b.	[]	has been transmitted by the International Bureau. Date of mailing (from form PCT/IB/308):
	c.	[]	is not required, as the application was searched by the United States International Searching Authority.
	d.	[]	will be transmitted promptly upon request.
	e.	[]	has been submitted by applicant on . Date
12.	[]	An Inf	ormation Disclosure Statement under 37 C.F.R. 1.97 and 1.98:
	a.	[]	is transmitted herewith. Also transmitted herewith is/are: Form PTO-1449 (PTO/SB/08A and 08B). Comics of citations listed
	b.	[]	Copies of citations listed. will be transmitted within THREE MONTHS of the date of submission of requirements under 35 U.S.C. 371(c).
	c.	[]	was previously submitted by applicant on Date
			Date

20/542937 30/2005

13.	[]	An assignment document is transmitted herewith for recording.			
		rate [] "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING ATENT APPLICATION" or [] FORM PTO 1595 is also attached.			
14.	[X] a. b. c. d.	Additional documents: [X] Copy of request (PCT/RO/101) [X] International Publication No. WO 2004/067740 A1 i. [X] Specification, claims, sequence listing and drawing ii. [] Front page only [X] Preliminary amendment (37 C.F.R. § 1.121) [X] Other 1) FORM PCT/IPEA/401 (DEMAND) 2) FORM PCT/IPEA/408 (WRITTEN OPINION DATED 24.01.2005) 3) FIRST REPLY TO WRITTEN OPINION OF 24.01.2005 4) FORM PCT/IPEA 408 (WRITTEN OPINION DATED 10.05.2005) 5) SECOND REPLY TO WRITTEN OPINION OF 24.01.2005 6) FORM PCT/IPEA/416 7) SUBMISSION OF "SEQUENCE LISTING," COMPUTER READABLE COPY, AND/OR AMENDMENT PERTAINING THERETO FOR BIOTECHNOLOGY INVENTION CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE			
15.	[X] a. b.	The above checked items are being transmitted [X] before 30 months from any claimed priority date. [] after 30 months.			
16.	[]	Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on , namely:			
		AUTHORIZATION TO CHARGE ADDITIONAL FEES			
WARNI	NG:	Accurately count claims, especially multiple dependent claims, to avoid unexpécted high charges if extra claims are authorized.			
NOTE:	TE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future replication for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.1 or all required extension of time fees will be treated as a constructive petition for an extension of time in an concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission. 37 C.F.R. § 1.136(a)(3).				
NOTE:	nor will	s of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if l, by credit to a deposit account." 37 C.F.R. § 1.26(a).			
	[X]	The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No. 12-0425			

		[X]	37 C.F.R.	1.492(a)(1) (l	basic filing fee)
WARNING:					within 30 months without extension (37 C.F.R. § 1.495(b)(2)) on, it would be best to always check the above box.
		[]	37 C.F.R. 37 C.F.R. 37 C.F.R.	1.492(b)	(search fee) (exam fee) (claim fees)
NOTE:	be paid o in any no	r these cla tice of fee	iims cancelled deficiency (37	by amendment p C.F.R. § 1.492(pendent claims not paid on filing or on later presentation must only orior to the expiration of the time period set for response by the PTO (d)), it might be best not to authorize the PTO to charge additional and ments after final action.
		[X] [X] [X]	37 C.F.R.	1.17 (applica	and drawing, each 50 pages over 100) tion processing fees)) (extension fees pursuant to § 1.136(a).
NOTE:	application notification	on pric	or to paying, o nge of status	r at the time of p	nange in loss of entitlement to small entity status must be filed in the vaying issue fee." From the wording of 37 C.F.R. § 1.28(b): (a) even if the fee is paid as "other than a small entity" and (b) no small entity.
		[]	filing an E		d (f) (surcharge fees for filing the declaration and/or tion of an International Application later than 30 date).
		[X]	Please cree	dit any overpa	syments to deposit account 12-0425.
					SIGNATURE OF PRACTITIONER
Reg. No	o.: 25,85	8			WILLIAM R. EVANS (type or print name of practitioner)
Tel. No	o.: (212)7	08-1930	0		P.O. Address
Custom	ner No.: (00140			
					c/o Ladas & Parry LLP 26 West 61 st Street New York, N.Y. 10023

PATENT TRADEMARK OFFICE

Practitioner's Docket No. U 015859-4

Optional Customer No. Bar Code



PATENT TRADEMARK OFFICE

CHAPTER II

TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US) (ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. 28 JANUARY 2003, etc. PCT/ES2004/070001 21 JANUARY 2004 TITLE OF INVENTION METHOD AND DEVICE FOR THE DETECTION OF MUTATIONS IN ISOLATED GENE SEQUENCES OF THE LOW-DENSITY LIPOPROTEIN RECEPTOR (LDL-R) WHICH IS ASSOCIATED WITH FAMILIAL HYPERCHOLESTEROLEMIA APPLICANT(S) MATA LOPEZ, PEDRO 1. ALONSO KARLEZI, RODRIGO, ALBERTO 2. MOZAS ALONSO, PILAR 3. REYES LEAL, GILBERTO 4. POCOVI MIERAS, MIGUEL 5. CASTILLO FERNANDEZ, SERGIO 6. TEJEDOR HERNANDEZ, DIEGO 7. MARTINEZ MARTINEZ, ANTONIO 8. MALLEN PEREZ, MIGUEL 9.

Mail Stop PCT **Commissioner for Patents** P. O. Box 1450 Alexandria, VA 22313-1450

CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory; Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

\boxtimes	deposited with the United States Postal Service in a	an envelope addre	essed to the Commissioner for Patents, P. O. Box
	1450, Alexandria, VA 22313-1450. 37 C.F.R. 1.8(a)		37 C.F.R. 1.10*
	with sufficient postage as first class mail.	⊠	as "Express Mail Post Office to Address" Mailing Label No. <u>EV 480460653 US</u> (mandatory)

TRANSMISSION

transmitted by facsimile to the Patent and Trademark Office. tq (571)-273-8300 Signature

Date: July 21, 2005

GERALDINE MARTI

(type or print name of person certifying)

Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label *WARNING: placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

EXPRESS MAIL LABEL NO.: EV 480460653 US

JC14 Rec'd PCT/PTO 23 JUL 2005

SUBMISSION OF "SEQUENCE LISTING," COMPUTER READABLE COPY, AND/OR AMENDMENT PERTAINING THERETO FOR BIOTECHNOLOGY INVENTION CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE

(check and complete this item, if applicable)

1.	[X]	This replies to the Office Letter dated
NO	TE:	If these papers are filed before the office letter issues, adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.
		[X] A copy of the Office Letter is enclosed.
		IDENTIFICATION OF PERSON MAKING STATEMENT
2.	I, _	WILLIAM R. EVANS
		(type or print name of person signing below)
	sta	te the following:
		ITEMS BEING SUBMITTED
3.	Sul	omitted herewith is/are
		(check each item as applicable)
	A.	[] "Sequence Listing(s)" for the nucleotide and/or amino acid sequence(s) in this application. Each "Sequence Listing" is assigned a separate identifier as required in 37 C.F.R. 1.821(c) and 37 C.F.R. 1.822 and 1.823.
	B.	[] An amendment to the description and/or claims, wherein reference is made to the sequence by use of the assigned identifier, as required in 37 C.F.R. 1.821(d).
	C.	[X] A copy of each "Sequence Listing" submitted for this application in computer readable form, in accordance with the requirements of 37 C.F.R. 1.821(e) and 1.824.
	D.	Please transfer to this application, in accordance with 37 C.F.R. 1.821(e), the computer

(Submission-Nucleotide and/or Amino Acid Sequence—page 2 of 6) 9-37

10/542937 JC14 Rec'd PCT/PTO 21 JUL 2005

ın	re application of:		
	Serial No.:	Group No.:	
	Filed:	Examiner:	
	For:		
	ne Computer readable formence Identifier(s)" of this ap	(s) of applicant's other application corresponds or compares to the plication as follows:	he
-	nter Readable Form applications)	"Sequence Ider (this applic	
NOTE:	application of the applicant on readable form in lieu of filing of shall be accompanied by a lette	of a new application is to be identical with the computer readable form of and file in the Office, reference may be made to the other application and compute duplicate computer readable form in the new application. The new application making such reference to the other application and computer readable formely identified." 37 C.F.R. 1.821(e).	er on
E.		content of each "Sequence Listing" submitted and each computer same, as required in 37 C.F.R. 1.821(f).	•
		ment is not made by a person registered to practice before the nent is verified as required in 37 C.F.R. 1.821(b).	
F.		ion is made in fulfilling the requirement under 37 C.F.R. 1.821(somission includes no new matter.	g), a
		ment is not made by a person registered to practice before the nent is verified, as required in 37 C.F.R. 1.821(g).	
	AND COMP	MENT THAT "SEQUENCE LISTING" UTER READABLE COPY ARE THE SAME PERS SUBMITTED INCLUDES NO NEW MATTER	
4. I h	ereby state:		
	(6	complete applicable item A and/or B)	
A.		ble form submitted in this application, including those forms requence applicant's other application, is the same as the "Sequence Lid to relate."	
B.		nying this submission, or for which a request for transferication, introduce no new matter.	r from

STATUS

5.	Ap	pplicant is			
	[]] a small entity:			
	[]	other than a small entity.			
		EXTI	ENSION OF TERM		
6. NO	TE:	37 C.F.R. § 1.704(b)" an applicant sha processing or examination of an application that are taken to reply to any notice or accrequest, measuring such three-month period in which case the period of adjustment set for the day after the date that is three month notifying the applicant of the rejection, objeiled. The period, or shortened statutory per three-month period set forth in this paragra	n for the cumulative total of any per- tion by the Office making any reje I from the date the notice or action orth in § 1.703 shall be reduced by the hs after the date of mailing or trans ction, argument, or other request ar- tiod, for reply that is set in the Office	tods of time in excess of three month ction, objection, argument, or othe was mailed or given to the applicant the number of days, if any, beginning mission of the Office communication and ending on the date the reply wa	
NOTE:		"Extension of Time in Patent Cases (Supplement Amendments) If a timely and complete response has been filed after a Non-Final Office Action, an extension of time is not required to permit filing and/or entry of an additional amendment after expiration of the shortened statutory period.			
		If a timely response has been filed after a Fi entry of a Notice of Appeal or filing and/o statutory period unless the timely-filed resp Notice of Appeal has been filed within the sha 1985 (1061 O.G. 34-35).	or entry of an additional amendme conse placed the application in con	nt after expiration of the shortened dition for allowance. Of course, if d	
NO:	TE:	See 37 C.F.R. 1.645 for extensions of time in reexamination proceedings.	n interference proceedings and 37 (C.F.R. 1.550(c) for extensions of time	
7.	The	ne proceedings herein are for a patent a	application and the provisions	of 37 C.F.R. 1.136 apply.	
		(complete	(a) or (b) as applicable)		
	(a)) [] Applicant petitions for an ext 1.17(a)(1)-(4)) for the total num			
		Extension	Fee for other than	Fee for	

Extension (months)	Fee for other than small entity	Fee for small entity
[] one month [] two months [] three months [] four months	\$120.00 \$450.00 \$1,020.00 \$1,590.00	\$60.00 \$225.00 \$510.00 \$795.00

Fee \$

If an additional extension of time is required, please consider this a petition therefor.

(Submission-Nucleotide and/or Amino Acid Sequence—page 4 of 6) 9-37

(check and complete the next item, if applicable)

	[] An extension for months has already been secured, and the fee paid therefor of \$ is deducted from the total fee due for the total months of extension now requested.
	Extension fee due with this request \$
	OR
(b)	[] Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.
	FEE PAYMENT
8. []	Attached is a check in the sum of \$.
[]	Charge Account No. the sum of \$. A duplicate of this transmittal is attached.
	FEE DEFICIENCY
9. NOTE:	If there is a fee deficiency and there is no authorization to charge an account, additional fees are necessary to cover the additional time consumed in making up the original deficiency. If the maximum, six-month period has expired before the deficiency is noted and corrected, the application is held abandoned. In those instances where authorization to charge is included, processing delays are encountered in returning the papers to the PTO finance Branch in order to apply these charges prior to action on the cases. Authorization to charge the deposit account for any fee deficiency should be checked. See the Notice of April 7, 1986, 1065 O.G. 31-33.
10 [X	If any additional extension and/or fee is required, charge Account No. 12-0425.

10/542937 10/13/14/17 18 21 JUL 2003

SIGNATURE(s)

(type or print name of person signing statement) Signature Date P.O. Address of Signatory [] Inventor (If applicable)] Assignee of complete interest [] Person authorized to sign on behalf of assignee Tel. No.: () Practitioner of record [X] Filed under Rule 34(a) Reg. No. [] Registration No. ____ [] Other (specify identity of person signing) (complete the following, if applicable) (type name of assignee) Address of assignee Title of person authorized to sign on behalf of assignee A "STATEMENT UNDER 37 C.F.R. 3.73(b)" is attached. Assignment recorded in PTO on Reel Frame SIGNATURE OF PRACTITIONER WILLIAM R. EVANS Reg. No. 25,858 (type or print name of practitioner) Tel. No.: (212)708-1930 P.O. Address c/o Ladas & Parry LLP 26 West 61st Street

Customer No.: 00140

00140

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